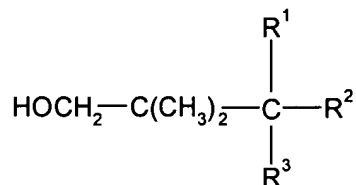


Abstract

The present invention relates to a process for the single-stage preparation of polyoxyalkylene glycols by copolymerization of THF and neopentyl glycol in the presence of a heteropolyacid, wherein the total amount of all impurities of the formula (I)



where R^1 and R^2 are each hydrogen when R^3 is an oxyformyl or isopropionate radical, R^1 is hydrogen and R^2 is hydroxy when R^3 is an isopropyl radical and R^1 is hydrogen when R^2 and R^3 together form an $\text{—OCH}_2\text{—C(CH}_3)_2\text{—CH}_2\text{—}$ radical,

in the neopentyl glycol is less than 1000 ppm.